
ABSTRACT OF THE DISCLOSURE

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A piston supporting structure for a linear compressor includes a piston reciprocating in the axial direction in response to the driving force of a motor, a first spring of which one end portion is fixed to one side of the piston, and a second spring of which one end portion is fixed to the other side of the piston. The first and second springs elastically supporting the piston reciprocating in response to the driving force of the motor are contracted and relaxed in the axial direction without being displaced in a radial direction, and thereby elastically support the reciprocating movement of the piston, so that the piston can linearly reciprocate in the axial direction in the compression space of the cylinder. Accordingly, a rotation movement is not applied to the piston, thereby preventing the abrasion of the piston and cylinder and the breakage of parts.
